

	1		50
SEQ ID NO:46	MMWTWALWML	PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETS	Y
SEQ ID NO:18	MMWTWALWML	PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETS	Y
SEQ ID NO:2	MMWTWALWML	PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETS	Y
SEQ ID NO:22	MMWTWALWML	PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETS	Y
	51		100
SEQ ID NO:46	TQYTVKRTYA	FGEKHDNCTT NSSTSENRAS CSFFLPRITI PDNYTIEVEA	
SEQ ID NO:18	TQYTVKRTYA	FGEKHDNCTT NSSTSENRAS CSFFLPRITI PDNYTIEVEA	
SEQ ID NO:2	TQYTVKRTYA	FGEKHDNCTT NSSTSENRAS CSFFLPRITI PDNYTIEVEA	
SEQ ID NO:22	TQYTVKRTYA	FGEKHDNCTT NSSTSENRAS CSFFLPRITI PDNYTIEVEA	
	101		150
SEQ ID NO:46	ENG DGVIKSH	MTYWRL ENIA KTEPPKIFRV KPV LGIKRMI QIEWIKPELA	
SEQ ID NO:18	ENG DGVIKSH	MTYWRL ENIA KTEPPKIFRV KPV LGIKRMI QIEWIKPELA	
SEQ ID NO:2	ENG DGVIKSH	MTYWRL ENIA KTEPPKIFRV KPV LGIKRMI QIEWIKPELA	
SEQ ID NO:22	ENG DGVIKSH	MTYWRL ENIA KTEPPKIFRV KPV LGIKRMI QIEWIKPELA	
	151		200
SEQ ID NO:46	PVSSDLKYTL	RFRTVNSTSW MEVNF AKNRK DKNQTYNLTG LQPFTEYVIA	
SEQ ID NO:18	PVSSDLKYTL	RFRTVNSTSW MEVNF AKNRK DKNQTYNLTG LQPFTEYVIA	
SEQ ID NO:2	PVSSDLKYTL	RFRTVNSTSW MEVNF AKNRK DKNQTYNLTG LQPFTEYVIA	
SEQ ID NO:22	PVSSDLKYTL	RFRTVNSTSW MEVNF AKNRK DKNQTYNLTG LQPFTEYVIA	
	201		250
SEQ ID NO:46	LRC AVKESKF	WSDWSQEKMG MTEEEAPCGL ELWRVLKPAE ADGRRPVRL	
SEQ ID NO:18	LRC AVKESKF	WSDWSQEKMG MTEEEAPCGL ELWRVLKPAE ADGRRPVRL	
SEQ ID NO:2	LRC AVKESKF	WSDWSQEKMG MTEEEAPCGL ELWRVLKPAE ADGRRPVRL	
SEQ ID NO:22	LRC AVKESKF	WSDWSQEKMG MTEEEGKL.L PAIPVLSALV	
	251		300
SEQ ID NO:46	WKKARGAPVL	EKTLGYNIWY YPESNTNLTE TMNTTNQOLE LHLGGESFW	
SEQ ID NO:18	WKKARGAPVL	EKTLGYNIWY YPESNTNLTE TMNTTNQOLE LHLGGESFW	
SEQ ID NO:2	WKKARGAPVL	EKTLGYNIWY YPESNTNLTE TMNTTNQOLE LHLGGESFW	
SEQ ID NO:22	WKKARGAPVL	EKTLGYNIWY YPESNTNLTE TMNTTNQOLE LHLGGESFW	
	301		350
SEQ ID NO:46	SMISYNSLGK	SPVATLRIPA IQEKS FQCIE VMQACVAEDQ LVVKWQSSAL	
SEQ ID NO:18	SMISYNSLGK	SPVATLRIPA IQEKS FQCIE VMQACVAEDQ LVVKWQSSAL	
SEQ ID NO:2	SMISYNSLGK	SPVATLRIPA IQEKS FQCIE VMQACVAEDQ LVVKWQSSAL	
SEQ ID NO:22	SMISYNSLGK	SPVATLRIPA IQEKS FQCIE VMQACVAEDQ LVVKWQSSAL	

FIG. 1A

	351		400
SEQ ID NO:46	DVNTWMIEWF	PDVDSEPTTL	SWESVSQATN WTIQQDKLKP FWCYNISVYP
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	DVNTWMIEWF	PDVDSEPTTL	SWESVSQATN WTIQQDKLKP FWCYNISVYP
SEQ ID NO:22	-----	-----	-----

	401		450
SEQ ID NO:46	MLHDKVGEPY	SIQAYAKEGV	PSEGPETKVE NIGVKTVTIT WKEIPKSERK
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	MLHDKVGEPY	SIQAYAKEGV	PSEGPETKVE NIGVKTVTIT WKEIPKSERK
SEQ ID NO:22	-----	-----	-----

	451		500
SEQ ID NO:46	GIICNYTIFY	QAEGGKGFSK	TVNSSILQYG LESLKRKTSY IVQVMASSTA
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	GIICNYTIFY	QAEGGKGFSK	TVNSSILQYG LESLKRKTSY IVQVMASSTA
SEQ ID NO:22	-----	-----	-----

	501		550
SEQ ID NO:46	GGTNGTSINF	KTLSFSVFEI	ILITSLIGGG LLILIILTV A YGLKKPNKLT
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	GGTNGTSINF	KTLSFSVFEI	ILITSLIGGG LLILIILTV A YGLKKPNKLT
SEQ ID NO:22	-----	-----	-----

	551		600
SEQ ID NO:46	HLCWPTVPNP	AESSIATWHG	DDFKDKLNLK ESDDSVNTED RILKPCSTPS
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	HLCWPTVPNP	AESSIATWHG	DDFKDKLNLK ESDDSVNTED RILKPCSTPS
SEQ ID NO:22	-----	-----	-----

	601		650
SEQ ID NO:46	DKLVIDKLVV	NFGNVLQEIF	TDEARTGQEN NLGGEKNGTR ILSSCPTSI~
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	DKLVIDKLVV	NFGNVLQEIF	TDEARTGQEN NLGGEKNGYV TCPFRPDCPL
SEQ ID NO:22	-----	-----	-----

	651		700
SEQ ID NO:46	-----	-----	-----
SEQ ID NO:18	-----	-----	-----
SEQ ID NO:2	GKSFEELPVS	PEIPPRKSQY	LRSRMPEGTR PEAKEQLLFS GQSLVPDHLC
SEQ ID NO:22	-----	-----	-----

FIG. 1B

	701			733
SEQ ID NO:46	_____	_____	_____	_____
SEQ ID NO:18	_____	_____	_____	_____
SEQ ID NO:2	E	E	GAPNPYLK NSVTAREFLV	SEKLPEHTKG EV~
SEQ ID NO:22	_____	_____	_____	_____

FIG. 1C

	10	20	30	40
ZCYTOR	MKLSQPQSCVNLGMMWTWALWMLPSLCKFSLAALPAKPENISCVYYY			
	::	::	::	::
M17R-O	MLSSQKGSCSQEPGAHVQPLGVNAGIMWTLALWAFSFLCKFSLAVLPTKPENISCVFYF			
	10	20	30	40
	50	60	70	80
ZCYTOR	RKNLTCTWSPGKETSQYTVKRTYAFGEKHDNCTNSSTSENRASCSFFLPRITIPDNY			
	::	::	::	::
M17R-O	DRNLTCTWRPEKETNDTSYIVTLTYSYGK-----SNYSDNATEASYSFPRSCAMPPDIC			
	70	80	90	100
	110	120	130	140
ZCYTOR	TIEVEAENGDGVIKSHMTYWRLENIAKTEPPKIFRVKPVLGKRMQIEWIKPELAPVSS			
	::	::	::	::
M17R-O	SVEVQAQNGDGKVKSDITYWHLISIAKTEPPPIILSVNPICN--RMFQIQW-KPREKTRGF			
	120	130	140	150
	160	170		
	170	180	190	200
ZCYTOR	DLKYTLRFRTVNSTSWMEVNFNAKNRKDNQTYNLTGLQPFTEYVIALRCAVKESKFWSDW			
	::	::	::	::
M17R-O	PLVCMLRFRTVNSSRWTEVNF-ENCK---QVCNLTGLQAFTEYVLALRFRFNDSTRYWSKW			
	180	190	200	210
	220			
	230	240	250	260
ZCYTOR	SQEKMGMTEEEAPCGLELWRVLKPAEADGRRPVRLWKKARGAPVLEKTLGYNIWYYPES			
	::	::	::	::
M17R-O	SKEETRVTMEEVPHVLDLWRILEPADMNGDRKVRLLWKKARGAPVLEKTFGYHIQYFAEN			
	230	240	250	260
	270	280		
	290	300	310	320
ZCYTOR	NTNLTETMNTTNQQLHLGGESFWVSMISYNSLGKSPVATLRIPAIQEKSEFCIEVMQA			
	::	::	::	::
M17R-O	STNLTEINNITTQQYELLMSQAHSVSVTSFNSLGKSQETILRIPDVHEKTFQYIKSMQA			
	290	300	310	320
	330	340		
	350	360	370	380
ZCYTOR	CVAEDQLVVKWQSSALDVNTWMIWFDPVD-SEPTTWSVESVSQATNWTIQQDKLKPFWC			
	::	::	::	::
M17R-O	YIAEPLLVDNQQSSIPAVDTWIVEWLPEAAMSKFPALSWESVSQVTNWTIEQDKLKPFTC			
	350	360	370	380
	390	400		

Fig. 2A

	410	420	430	440	450	460
ZCYTOR	YNISVYPMLHDKVGEPYSIQAYAKEGVPSEGPETKVENIGVKTVTITWKEIPKSERKGII					

M17R-O	YNISVYPVLGHRVGEPYSIQAYAKEGTPKGPETRVENIGLRTATITWKEIPKSARNGFI					
	410	420	430	440	450	460
	470	480	490	500	510	520
ZCYTOR	CNYTIFYQAEGGKGFSTVNSSILQYGLESLKRKTSYIVQVMASTSAGGTNGTSINFKTL					

M17R-O	NNYTVFYQAEGGKELSKTVNSHALQCDLESLTRRTSYTVWVMASTRAGGTNGVRINFKTL					
	470	480	490	500	510	520
	530	540	550	560	570	580
ZCYTOR	SFSVFEIILITSLIGGGLLILIIILTVAYGLKKPNKLTHLCWPTVPNPAESSIATWHGDDF					

M17R-O	SISVFEIVLLTSLVGGGLLLLLSIKTVTFGLRKPNRLTPLCCPDVPNPAESSLATWLGDF					
	530	540	550	560	570	580
	590	600	610	620	630	640
ZCYTOR	KDKLNLKESDDSVNTEDRILKPCSTPSDKLVIDKLVVNFGNVLQEIFTDEARTGQENNLG					

M17R-O	K-KSNMKETGNSGNTEDVVLKPCVPAD--LIDKLVVNFENFLEVVLTEEAGKGQASILG					
	590	600	610	620	630	640
	650	660				
ZCYTOR	GEKNGTRILSSCPTSI					
				
M17R-O	GEAN-EYILSQEPSCPGHC					
	650	660				

Fig 2B